

## Datasheet

# Nitrile Rubber Seal, 18.7mm Bore, 26mm Outside Diameter, -10 to +80°C

RS Stock number 689-552



### Description:

These seals comprise a metal annulus to which a medium nitrile elastomeric ring of trapezoidal cross-section is bonded. They provide high and low pressure sealing for ports on fluid systems where mineral based hydraulic fluids or mineral based engine lubricating oils are present.

Available in both metric and BSP-based Imperial sizes

Hardness: 1 RHD 85-95

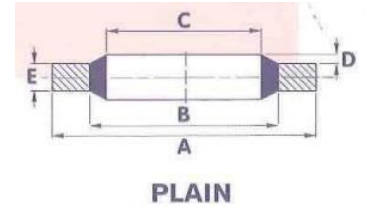
Temperature range: -30°C to +110°C

**Note:** The width (or thickness) quoted for the self-centralising bonded washers relates to the thickness of the fibre part of the washer.

### Specifications

Inside Diameter:	18.7mm
Material:	Nitrile Rubber
Maximum Operating Temperature:	+80°C
Minimum Operating Temperature:	-10°C
Outside Diameter:	26mm
Thickness:	1.5mm
Type:	Bonded Seal

REFERENCE	THREAD SIZE	A +0.13 -0.00	B +0.10 -0.10	C +0.10 -0.10	D +0.25 -0.00	E +0.15 -0.15	APPROX BURST PRESSURE (BAR)
	3.5	7.20	5.20	4.10	0.30	1.00	1600
	4	7.00	5.40	4.50			1250
	5	9.00	6.80	5.70			1400
	5	10.00	7.40	5.70			1500
	5.5	9.20	7.20	6.20			1220
	6	10.00	8.00	6.70			1130
	6	11.00	8.20	6.70			1510
	6	11.00	8.20	6.70			1480
	6.5	12.00	8.80	7.10			1560
	6.7	10.20	8.60	7.30			1330
	8	13.40	9.40	8.50			1780
	8	13.00	10.00	8.70			1330
	8	14.00	10.40	8.70			1550
	8	16.00	10.40	8.70			2150
	8.5	13.30	10.50	9.30	1200		
	10	15.88	12.00	10.35	2.00	1450	
689-524	10	16.00	12.40	10.70	0.40	1.50	1350
	10	18.00	12.40	10.70			1880
	11	16.30	12.70	11.40			1250
	11	18.50	13.70	11.80			1540
	11	19.10	13.50	11.80			1770
689-530	12	18.00	14.30	12.70			1250
	12	20.00	14.40	12.70			1680
	13	20.00	15.40	13.70			1340
	13	22.00	15.40	13.70			1810
	13.5	18.70	15.70	14.00			900
	14	22.00	16.40	14.70			1510
	15	22.70	17.78	16.00			1260
689-546	16	24.00	18.40	16.70			1400
	17	24.00	19.20	17.40			1150
	17.5	24.70	20.10	18.00	1070		
689-552	18	26.00	20.40	18.70	1275		
	20	28.00	22.50	20.70	1150		
	21	28.70	23.30	21.50	2.50	1080	
	22	28.00	24.20	22.50	1.50	760	
689-568	22	30.00	24.40	22.70	2.00	1100	
	22	30.00	24.40	22.70	3.00	1080	
	24	32.00	26.40	24.70	2.00	1050	
	26	35.00	28.40	26.70		1050	
	27	36.00	29.00	27.20		1130	
	28	37.00	30.40	28.70		1000	
	30	39.00	33.00	31.00		860	
	33	42.00	35.80	33.70		900	
	33	43.00	36.40	34.30		880	
	36	46.00	38.80	36.70		880	
	39	51.00	41.90	40.00		2.50	1020
	42	53.00	44.40	42.70		3.00	940
	48	59.00	50.80	48.70			800
	51	60.00	54.10	52.00			540
	52	64.50	56.40	59.09			710
	60	73.00	63.00	60.70			780
	68	79.50	72.10	68.60	510		
	75	90.30	79.10	76.08	3.38	700	
	88	101.35	92.10	89.09	3.25	510	
	125	143.67	132.70	127.00	5.00	420	



PLAIN